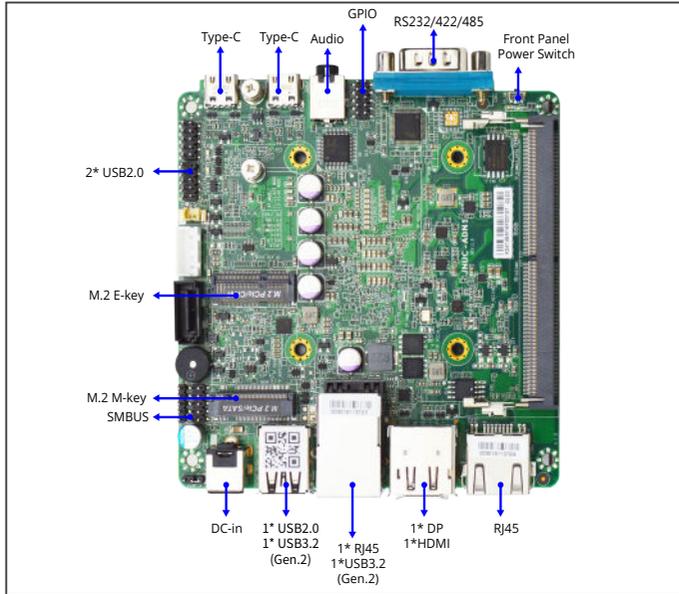


JNUC-ADN1

NUC with Intel® Processor N-series Processors (formerly Alder Lake N)



Features

- 1 x DDR5 SODIMM Slot, up to 16GB
- 1 x HDMI 2.0b, 1 x DP1.4, 2 x Type C DP
- 2 x 2.5GbE
- 4 x USB 3.2 Gen2 (2 x Type-A, 2 x Type-C DP ALT Mode), 3 x USB2
- 1 x RS232/422/485
- 1 x M.2 2260/2280 M-key, 1 x M.2 2230 E-key
- DC Input 12~19V

Applications

- Edge Computing
- IoT
- Industrial Automation

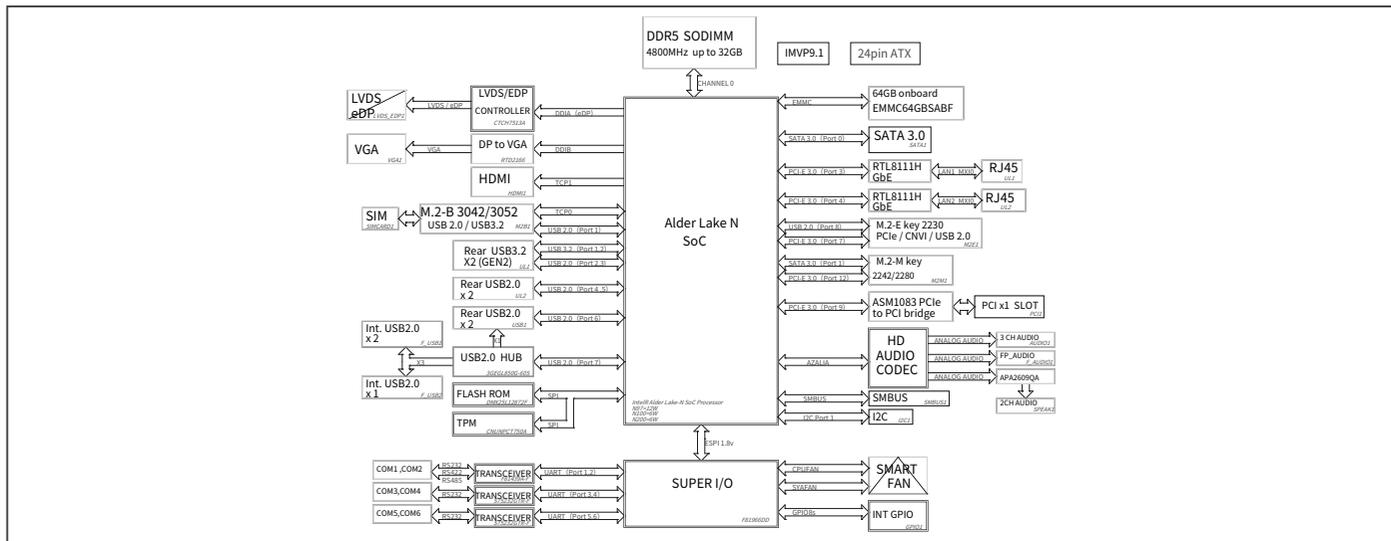
Packing List

| Part Number | Description | QTY per Board |
|-------------------|-----------------------|---------------|
| | JNUC-ADN1 MB | 1 |
| F07-FNJNU93-F | CPU Hearsink with fan | 1 |
| G01-COM-H2M22-1F | COM cable | 1 |
| G01-PW4PS-2S-322F | SATA power cable | 1 |
| G01-SATA3-BL-1F | SATA cable | 1 |

Specifications

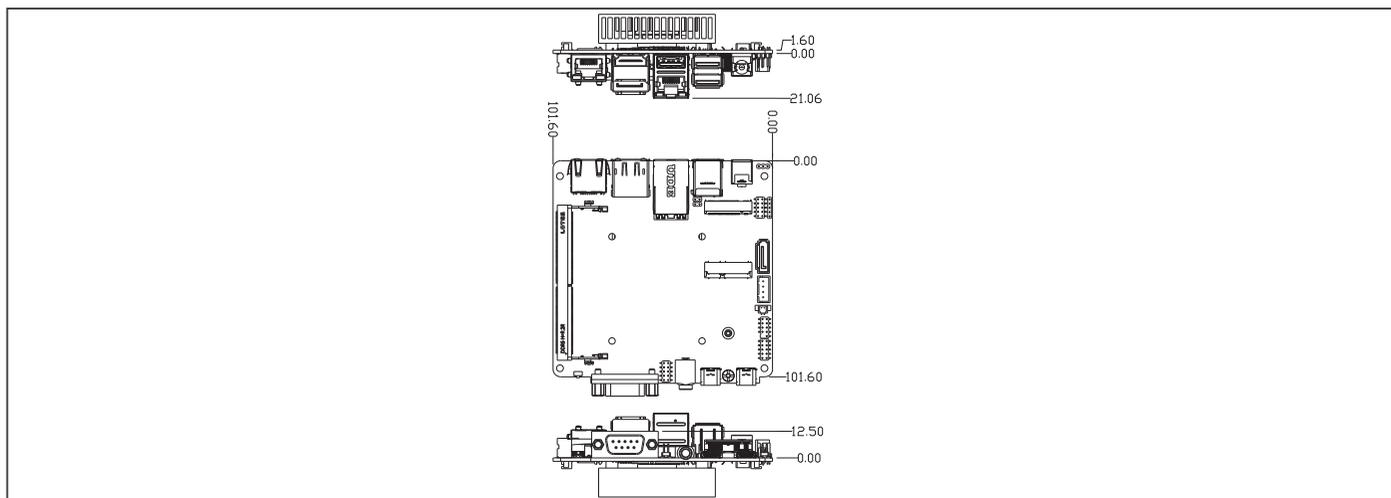
| SYSTEM | |
|-----------------------------|--|
| FORM FACTOR | NUC |
| CPU | Onboard Intel® Processor N-series Processors Intel® Processor N97 *For additional compatible CPUs, please contact regional sales |
| CPU TDP | 12W |
| CHIPSET | Integrated with Intel® SoC |
| MEMORY TYPE | 1 x DDR5 4800MHz, Single Channel SODIMM, up to 16GB |
| BIOS | UEFI with Intel PTT fTPM2.0 |
| WAKE ON LAN | Yes |
| WATCHDOG TIMER | 255 Levels |
| SECURITY | TPM2.0 (optional) |
| RTC BATTERY | Lithium Battery |
| DIMENSION (L X W) | 101mm x 101mm (4" x 4") |
| OS SUPPORT | Windows® 10 (64bit), Windows® 11 (64bit) Linux |
| POWER | |
| POWER REQUIREMENT | DC 12~19V |
| POWER SUPPLY TYPE | AT/ATX |
| CONNECTOR | External DC-in Connector |
| DISPLAY | |
| CONTROLLER | Intel® UHD Graphics |
| LVDS/eDP/MIPI-DSI | — |
| DISPLAY INTERFACE | 1 x HDMI 2.0b, up to 4K x 2K 60Hz 1 x DP1.4, up to 4K x 2K 60Hz 2 x Type C DP1.4, up to 4K x 2K 60Hz |
| MULTIPLE DISPLAY | Support 3 Displays |
| AUDIO | |
| CODEC | Realtek ALC897 |
| AUDIO INTERFACE | Line-out/MIC |
| Speaker | — |
| EXTERNAL I/O | |
| ETHERNET | 2 x Intel® i225V, 10/100/2500Base |
| USB | 2 x USB3.2 Gen 2 2 x USB3.2 Gen 2 Type C support ALT mode 1 x USB2.0 |
| SERIAL PORT | 1 x RS232/422/485 |
| VIDEO | 1 x HDMI 2.0b 1 x DP1.4 2 x Type C DP1.4 |
| OTHERS | — |
| INTERNAL I/O | |
| USB | 2 x USB2.0 |
| SERIAL PORT | — |
| VIDEO | — |
| AUDIO | — |
| GPIO | 8-Bit |
| SMBUS | Yes |
| I2C | — |
| FAN | 1 x CPU Fan |
| SIM | — |
| FRONT PANEL | PWR LED Power Button |
| OTHERS | — |
| STORAGE | |
| SATA | 1 x SATA3 1 x SATA Power Connector |
| MINI PCI-E/MSATA | — |
| M.2 | 1 x M-Key 2260/2280 (SATA/PCIe 3.0 x2) support NVMe |
| eMMC | eMMC 64GB (optional) |
| EXPANSION | |
| M.2 | 1 x E-key 2230 (USB2.0/PCIe 3.0x1) support CNVio |
| OTHERS | — |
| ENVIRONMENT & CERTIFICATION | |
| OPERATING TEMPERATURE | -20°C ~ 60°C (-4°F ~ 140°F) |
| STORAGE TEMPERATURE | -20°C ~ 85°C (-4°F ~ 185°F) |
| OPERATING HUMIDITY | 10% ~ 90% relative humidity, non-condensing |
| CERTIFICATION | Meet CE/FCC Class A |

Block Diagram



Dimension

Unit: mm



Ordering Information

| Part Number | JNUC-ADN1-N97000 | JNUC-ADN1-N97002 | JNUC-ADN1-N97004 | JNUC-ADN1-N97008 |
|----------------|--|--|--|--|
| CPU | Intel® Processor N97 | Intel® Processor N97 | Intel® Processor N97 | Intel® Processor N97 |
| DISPLAY | 1 x HDMI 1 x DP 2 x TypeC DP | 1 x HDMI 1 x DP 2 x TypeC DP | 1 x HDMI 1 x DP 2 x TypeC DP | 1 x HDMI 1 x DP 2 x TypeC DP |
| LAN | 2 x 2.5GbE | 2 x 2.5GbE | 2 x 2.5GbE | 2 x 2.5GbE |
| USB | 2 x USB 3.2 Gen 2 2 x USB 3.2 Gen2 TypeC 3 x USB 2.0 | 2 x USB 3.2 Gen 2 2 x USB 3.2 Gen2 TypeC 3 x USB 2.0 | 2 x USB 3.2 Gen 2 2 x USB 3.2 Gen2 TypeC 3 x USB 2.0 | 2 x USB 3.2 Gen 2 2 x USB 3.2 Gen2 TypeC 3 x USB 2.0 |
| RS-232 | — | — | — | — |
| RS-232/422/485 | 1 | 1 | 1 | 1 |
| STORAGE | 1 x SATAIII 1 x M.2 M-key 2260/2280 |
| EXPANSION SLOT | 1 x M.2 E-key 2230 |
| TPM | — | TPM2.0 | — | TPM2.0 |
| eMMC | — | — | 64GB | 64GB |
| POWER | 12-19V | 12-19V | 12-19V | 12-19V |
| OPERATING TEMP | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C |